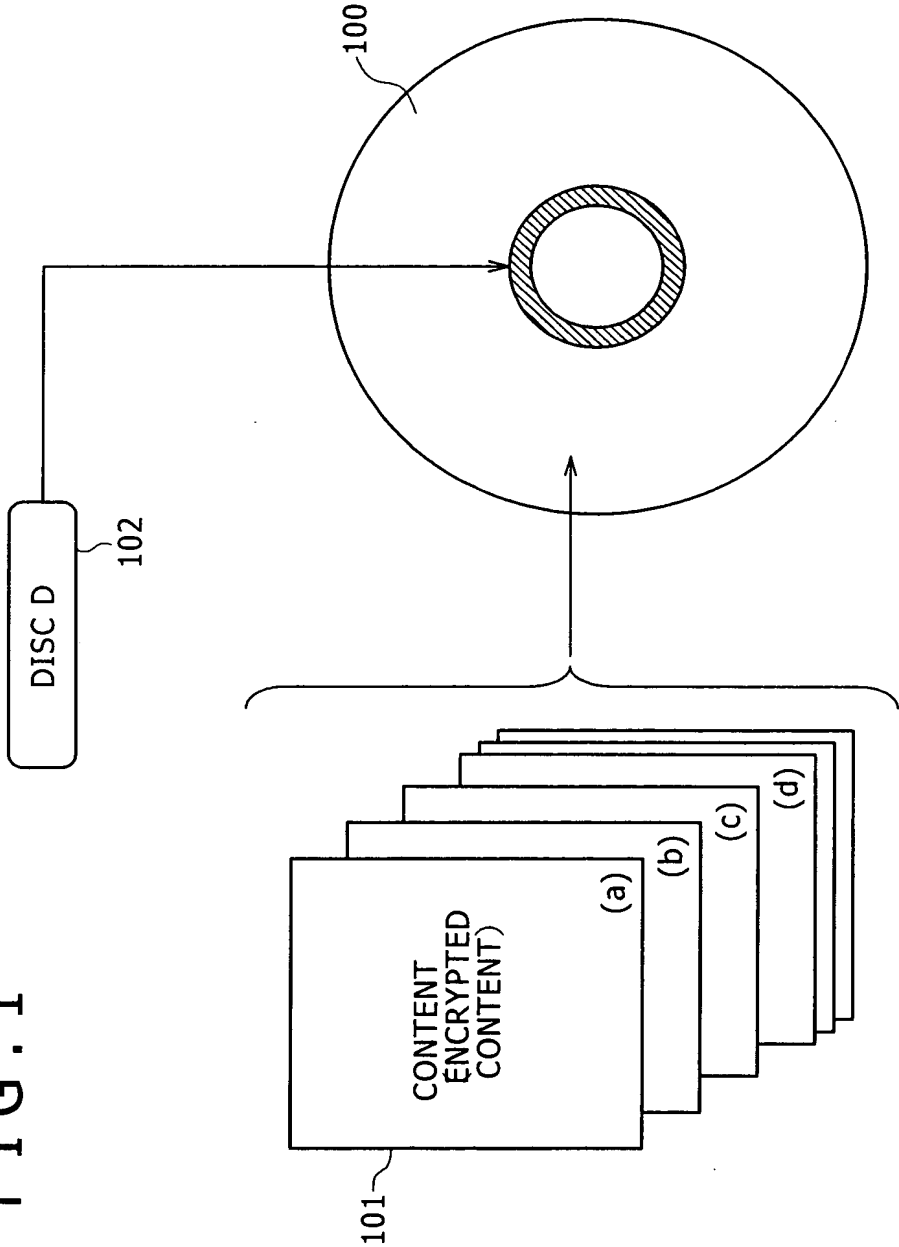
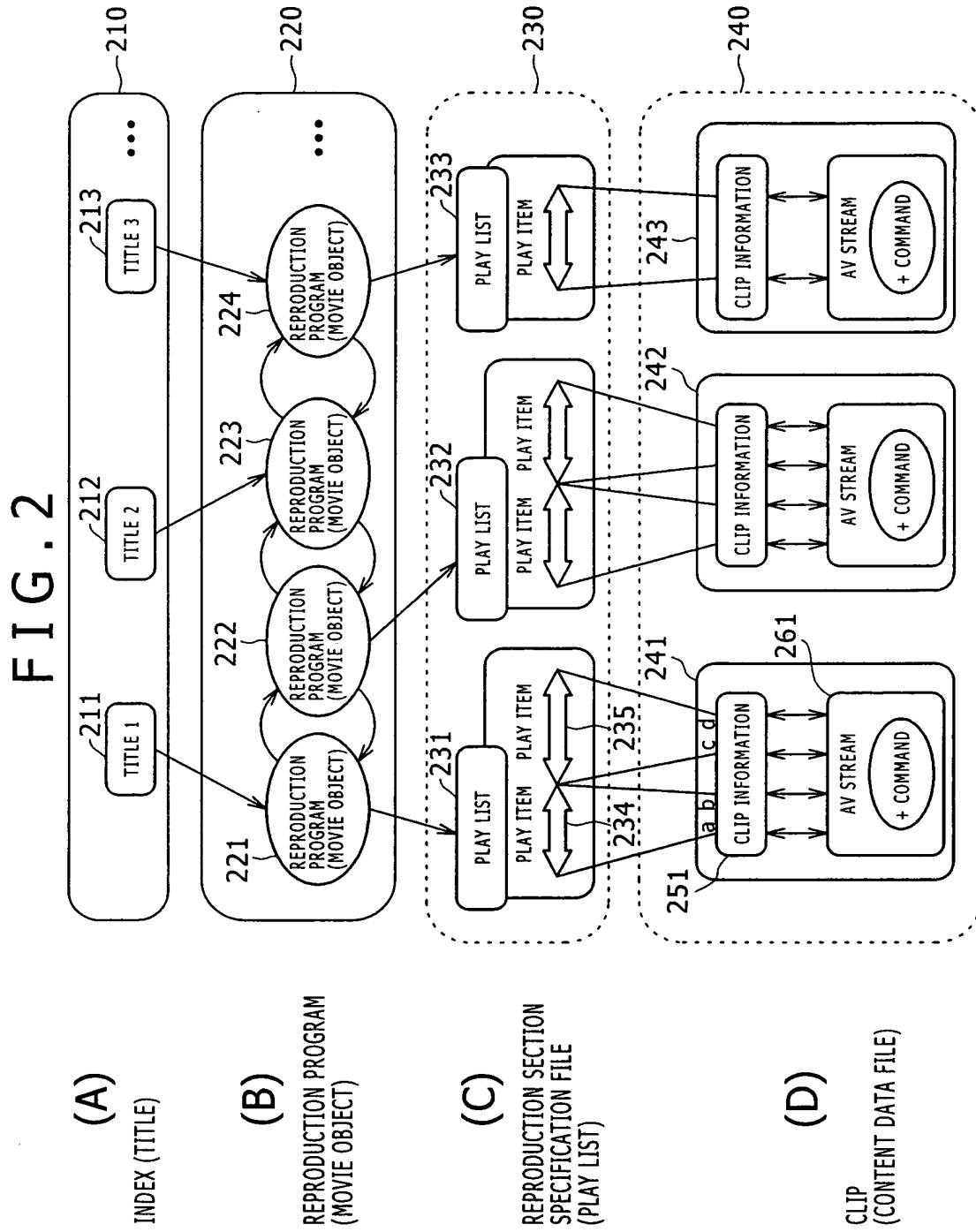


FIG. 1

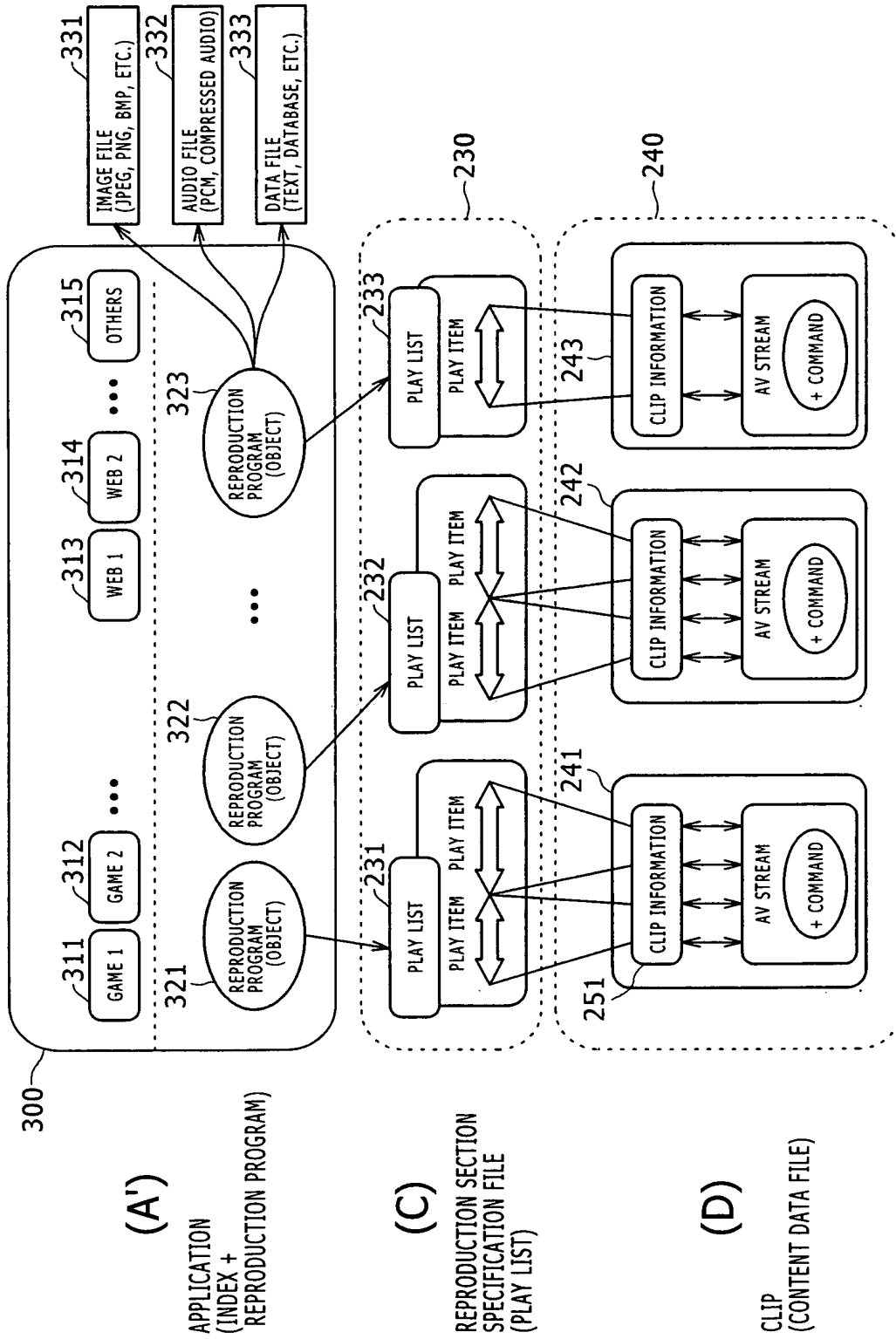


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FIG. 3



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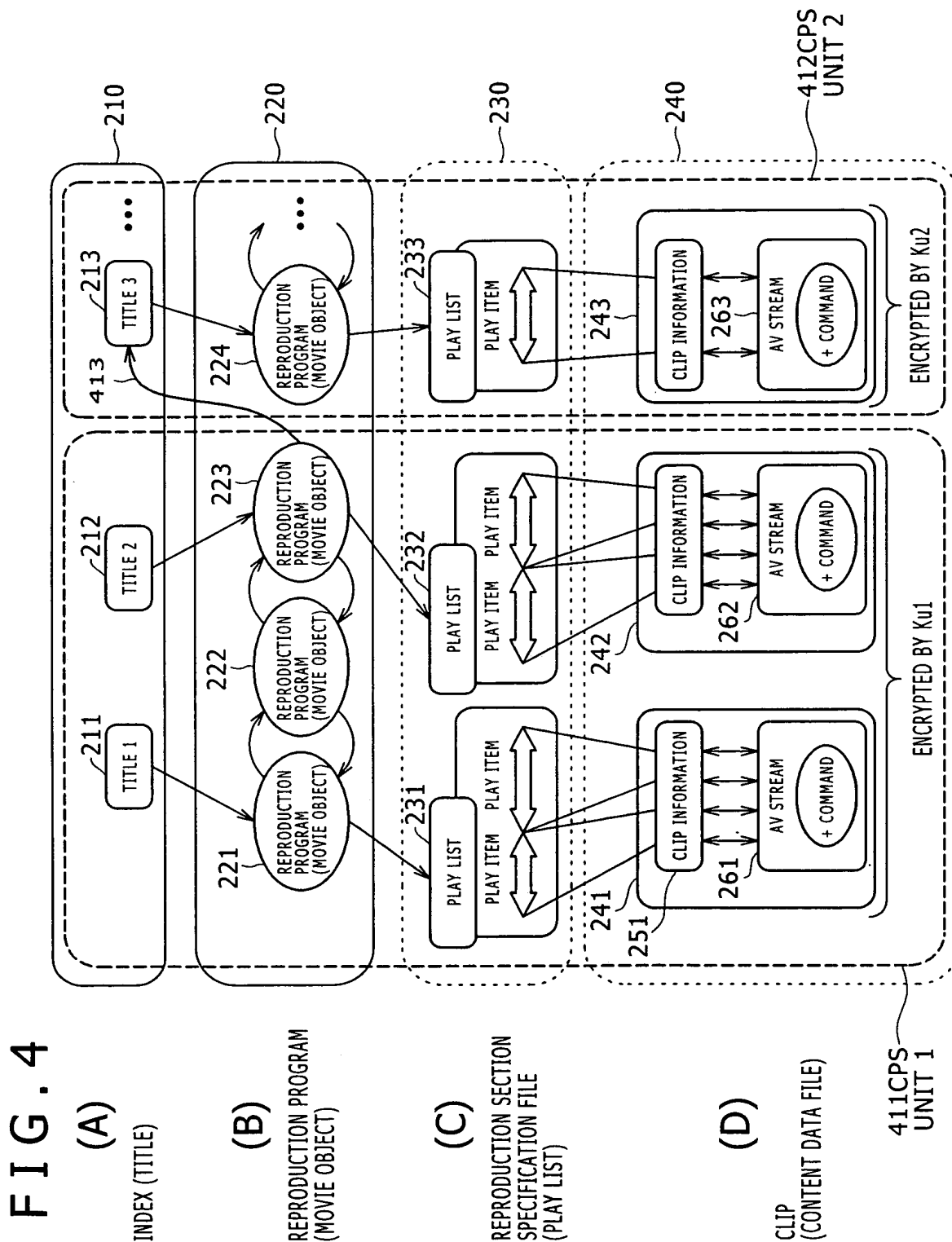
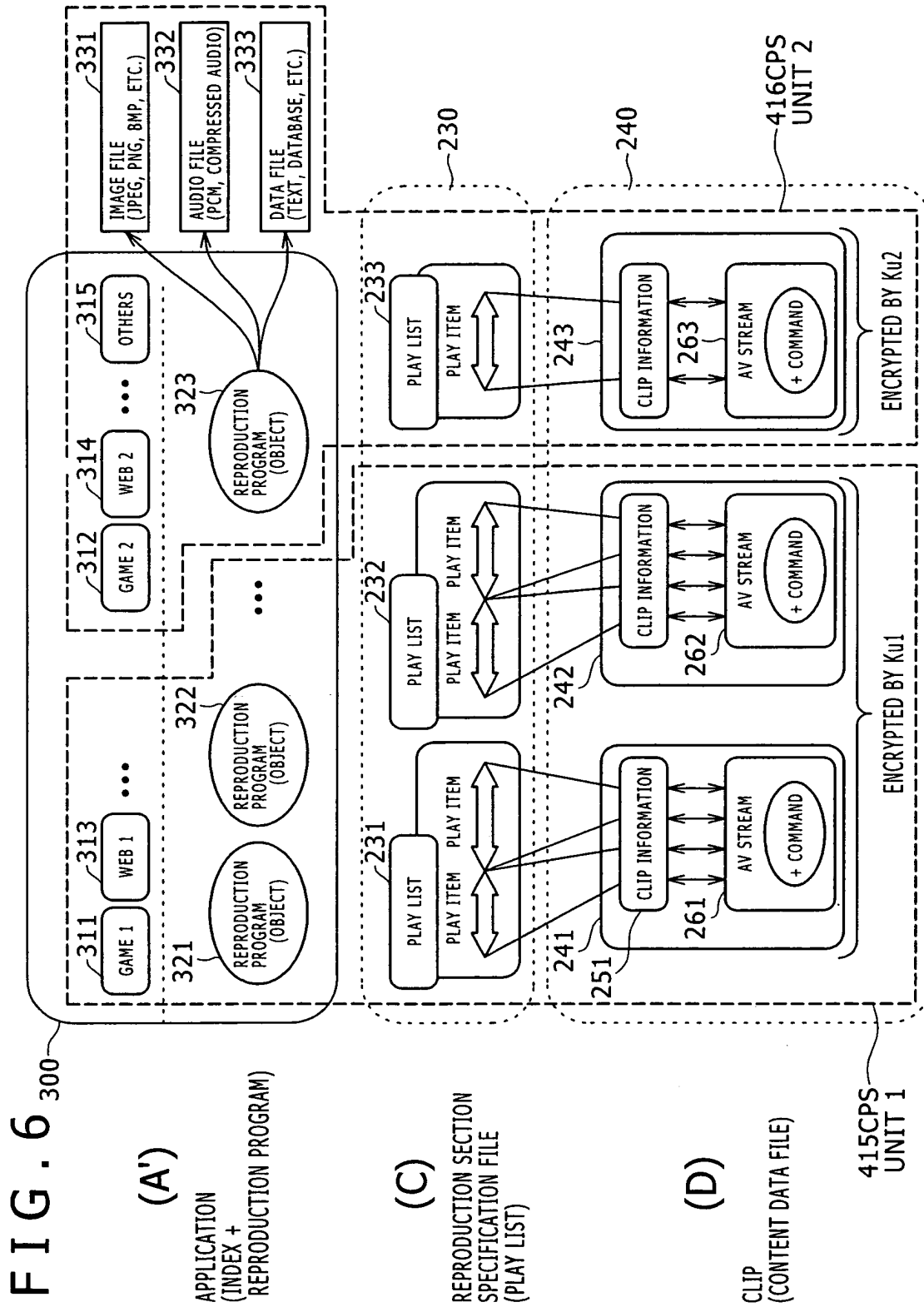


FIG. 5

TITLE	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
TITLE 1	CPS1	Ku1
TITLE 2	CPS1	Ku1
TITLE 3	CPS2	Ku2
...	...	...
TITLE n	CPSm	Kum

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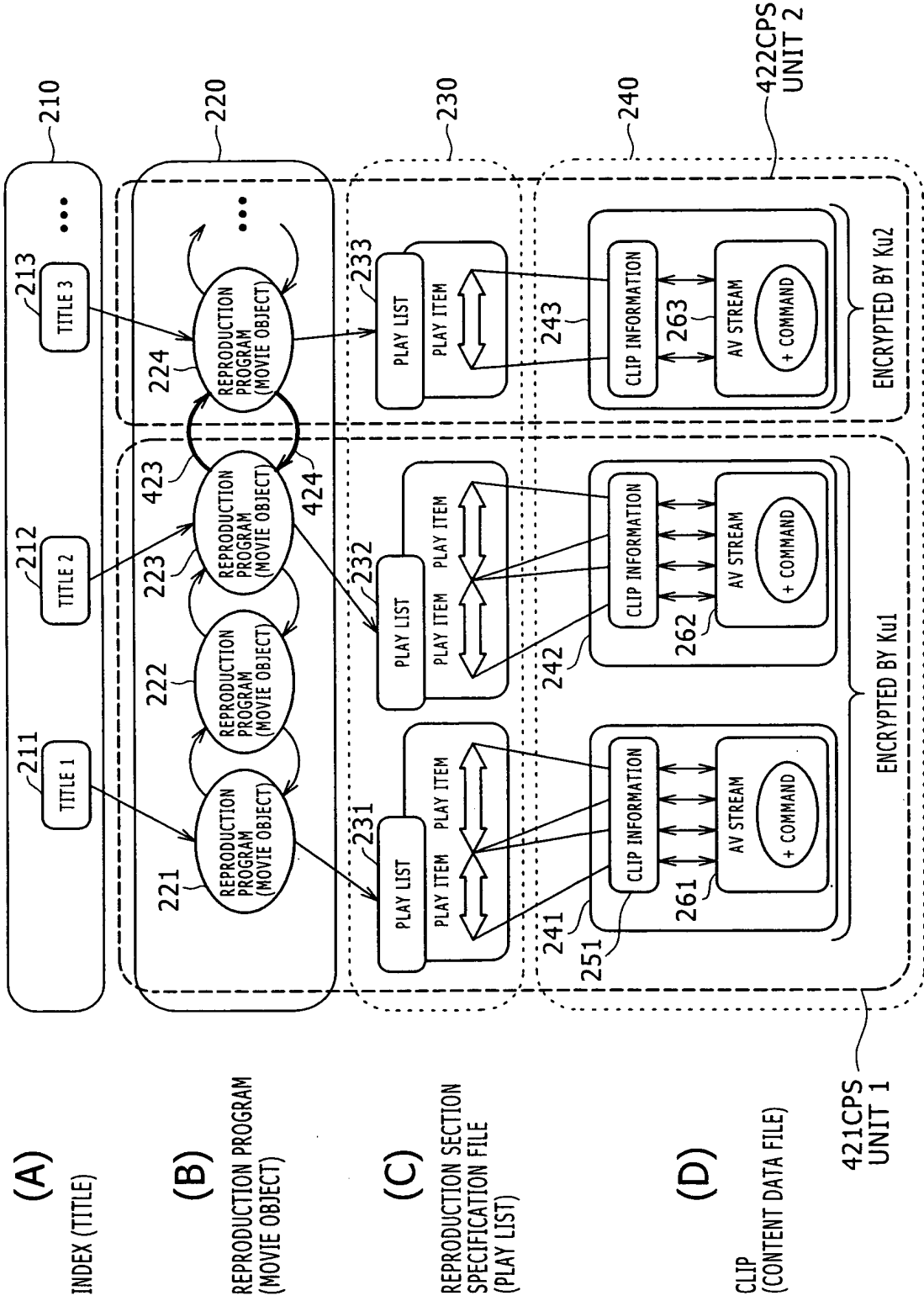


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FIG. 7

APPLICATION INDEX	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
GAME 1	CPS1	Ku1
GAME 2	CPS2	Ku2
WEB 1	CPS1	Ku1
...	...	...
OTHERS n	CPSm	Kum

FIG. 8





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FIG. 9

REPRODUCTION PROGRAM (MOVIE OBJECT)	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
REPRODUCTION PROGRAM 1	CPS1	Ku1
REPRODUCTION PROGRAM 2	CPS1	Ku1
REPRODUCTION PROGRAM 3	CPS2	Ku2
...	...	...
REPRODUCTION PROGRAM n	CPSm	Kum

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FIG. 10

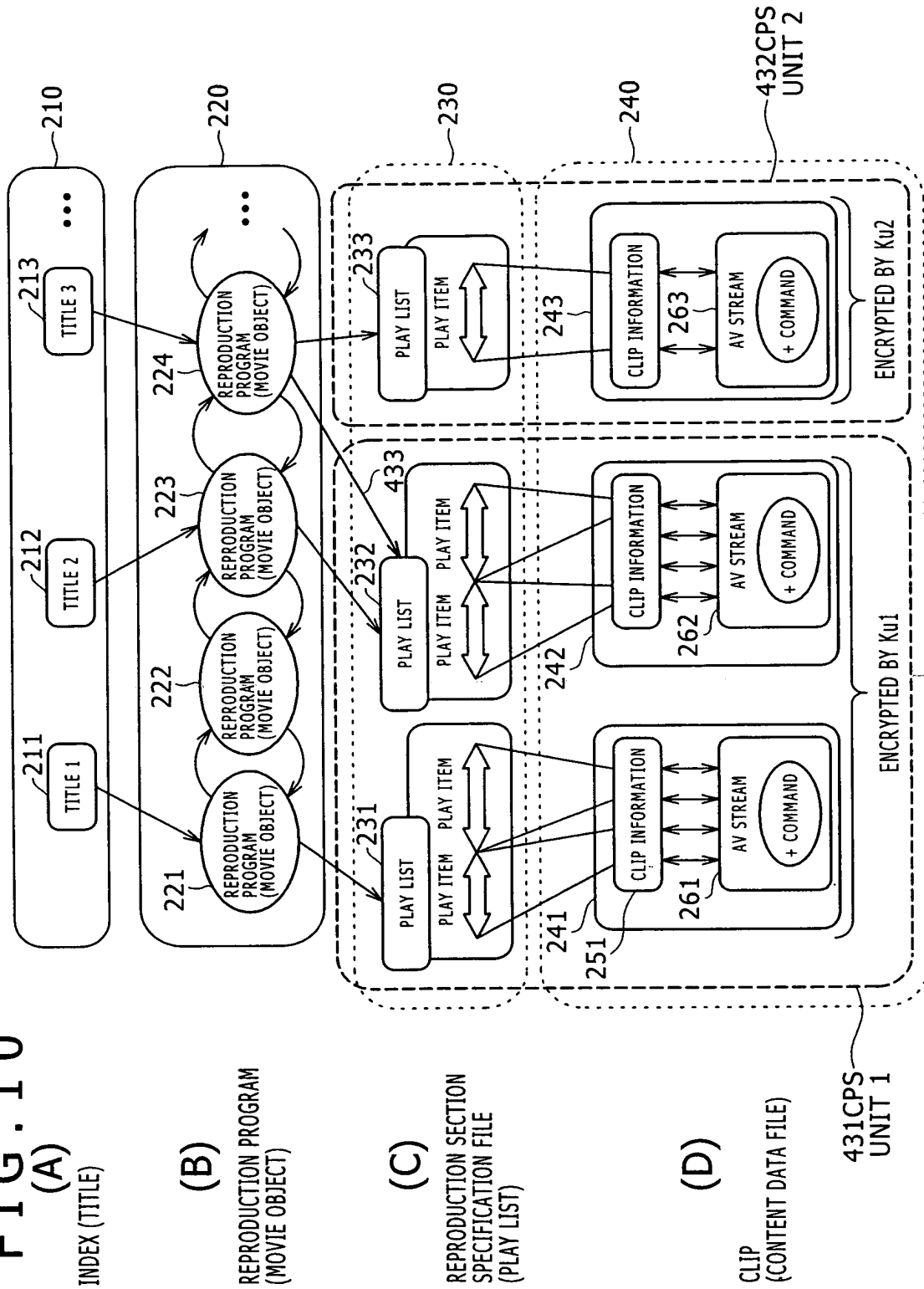


FIG. 11

REPRODUCTION SECTION SPECIFICATION FILE (PLAY LIST)	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
PLAY LIST 1	CPS1	Ku1
PLAY LIST 2	CPS1	Ku1
PLAY LIST 3	CPS2	Ku2
...	...	...
PLAY LIST n	CPSm	Kum

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FIG. 12

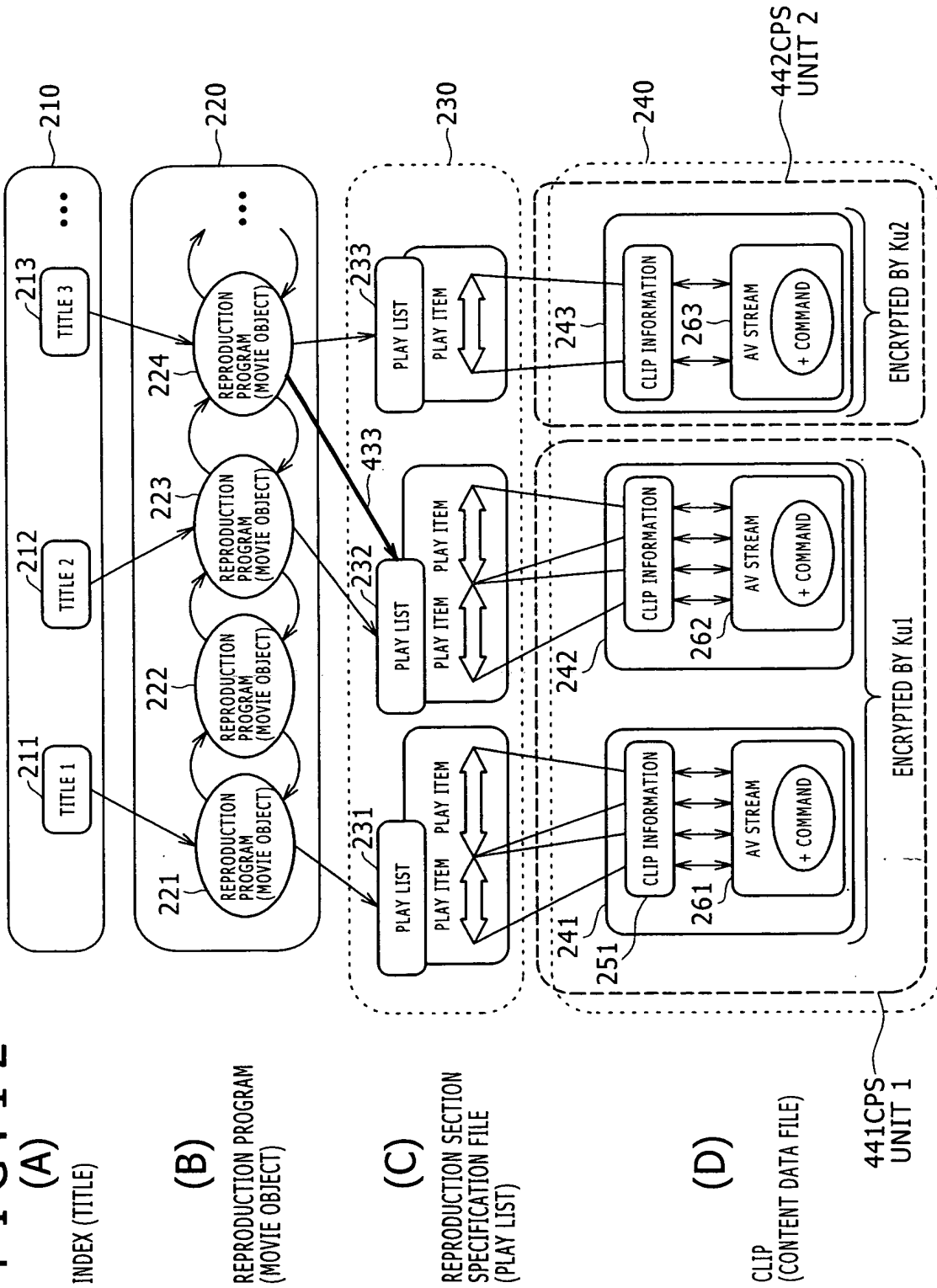
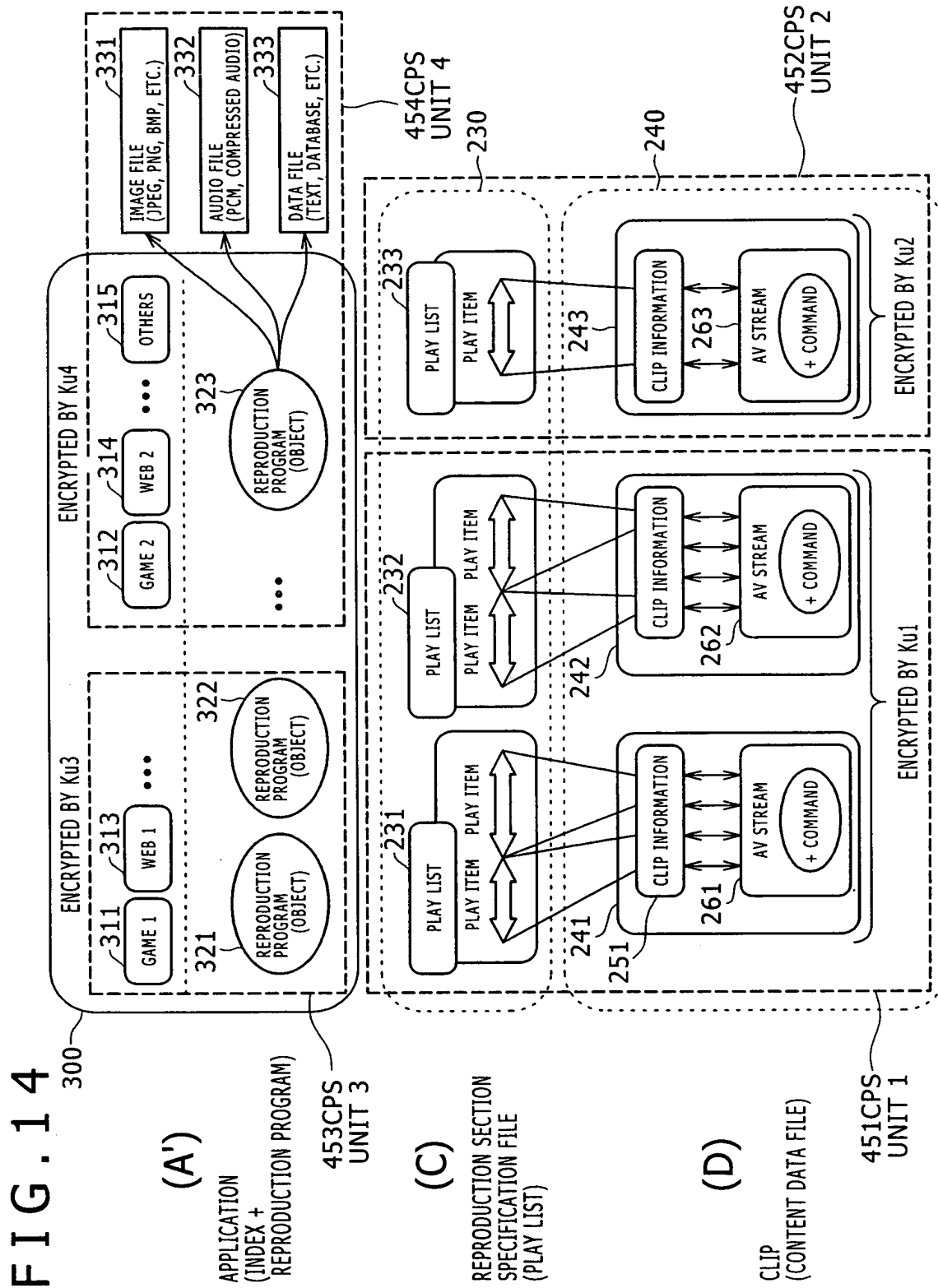


FIG. 13

CLIP	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
CLIP 1	CPS1	Ku1
CLIP 2	CPS1	Ku1
CLIP 3	CPS2	Ku2
⋮	⋮	⋮
CLIP n	CPSm	Kum

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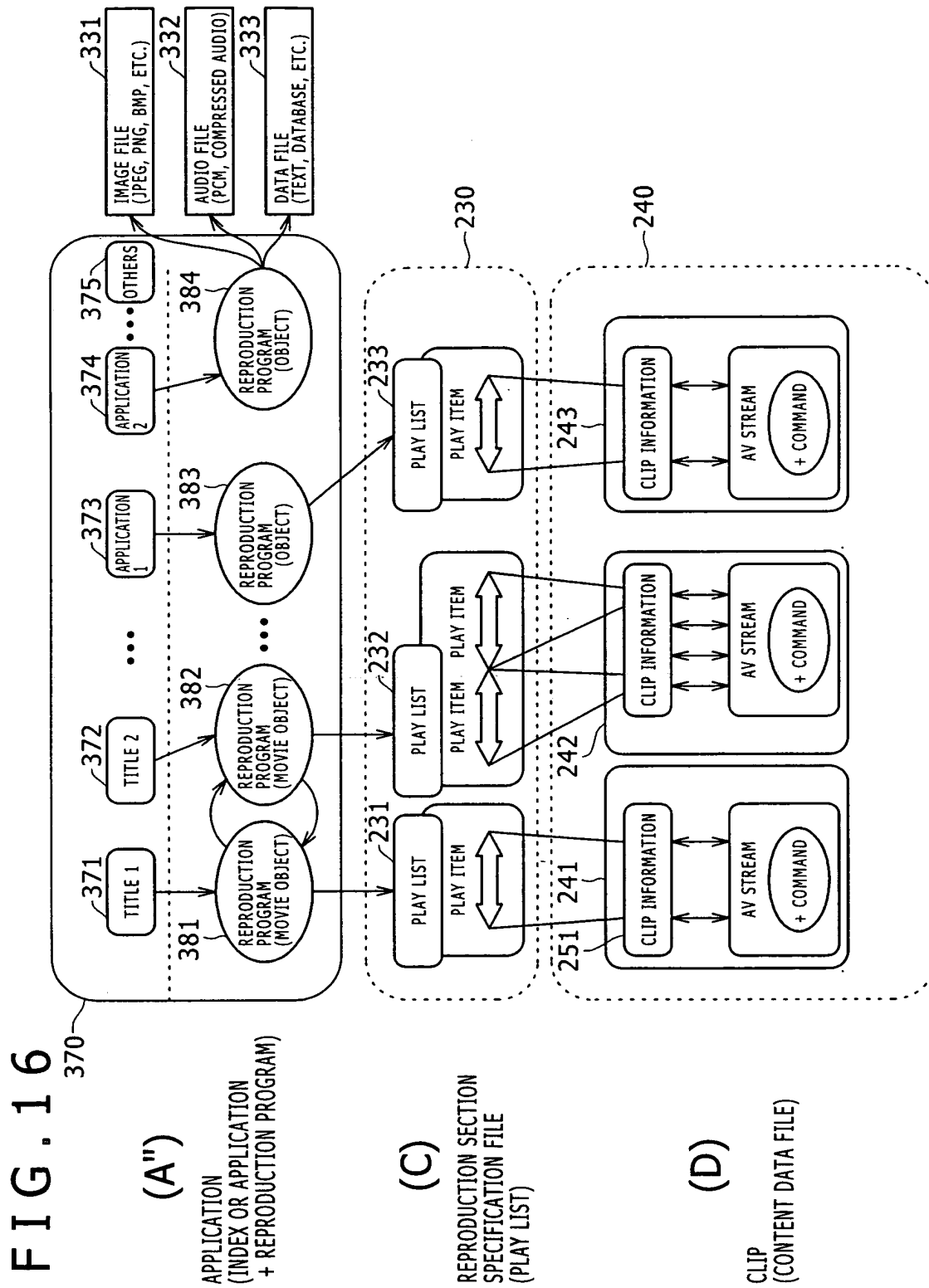


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FIG. 15

APPLICATION INDEX	REPRODUCTION SECTION SPECIFICATION FILE (PLAY LIST)	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
	PLAY LIST 1	CPS1	Ku1
	PLAY LIST 2	CPS1	Ku1
	PLAY LIST 3	CPS2	Ku2
GAME 1		CPS3	Ku3
GAME 2		CPS4	Ku4
WEB 1		CPS3	Ku3
...	...	...	...
OTHERS n		CPSm	Kum

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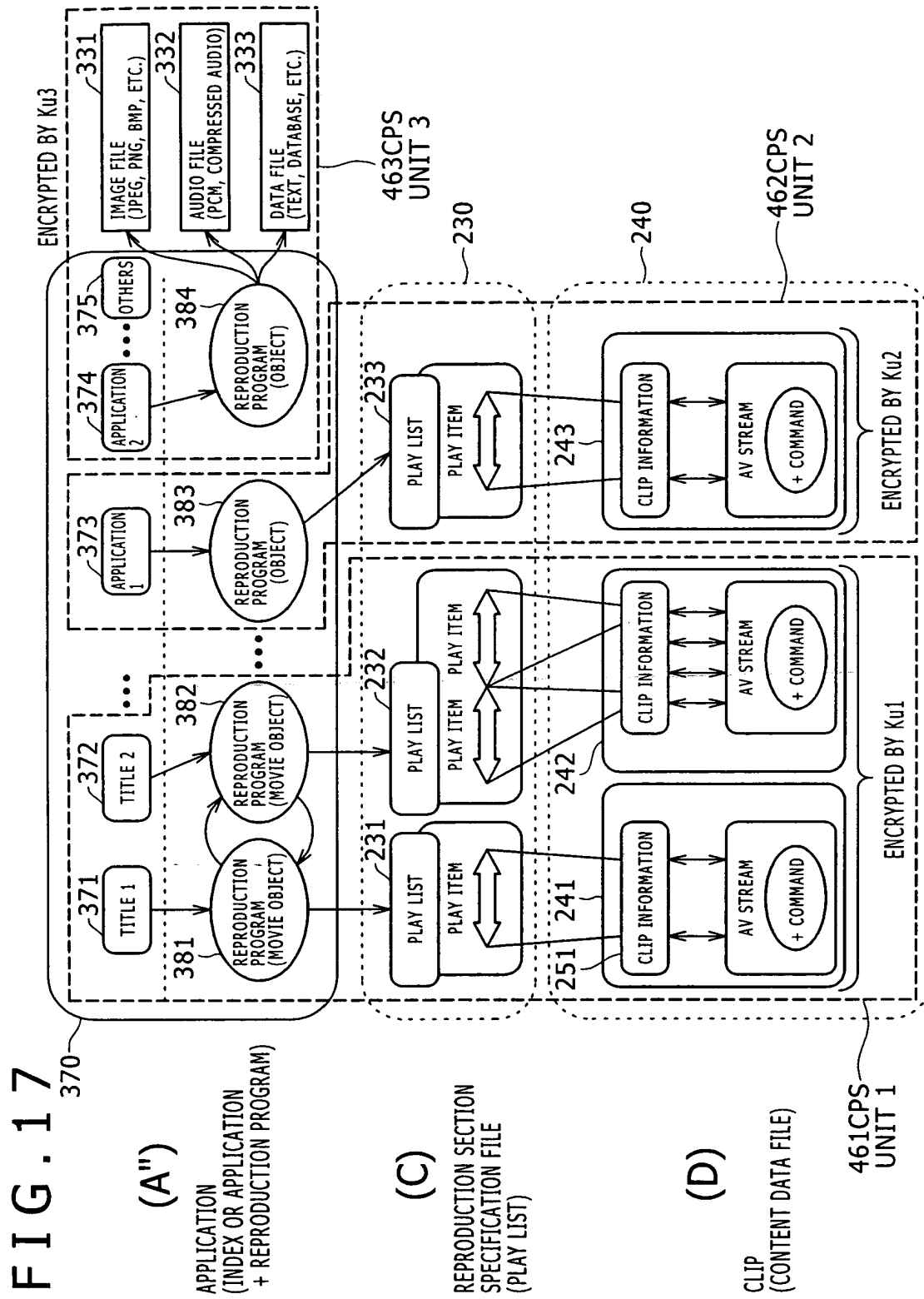
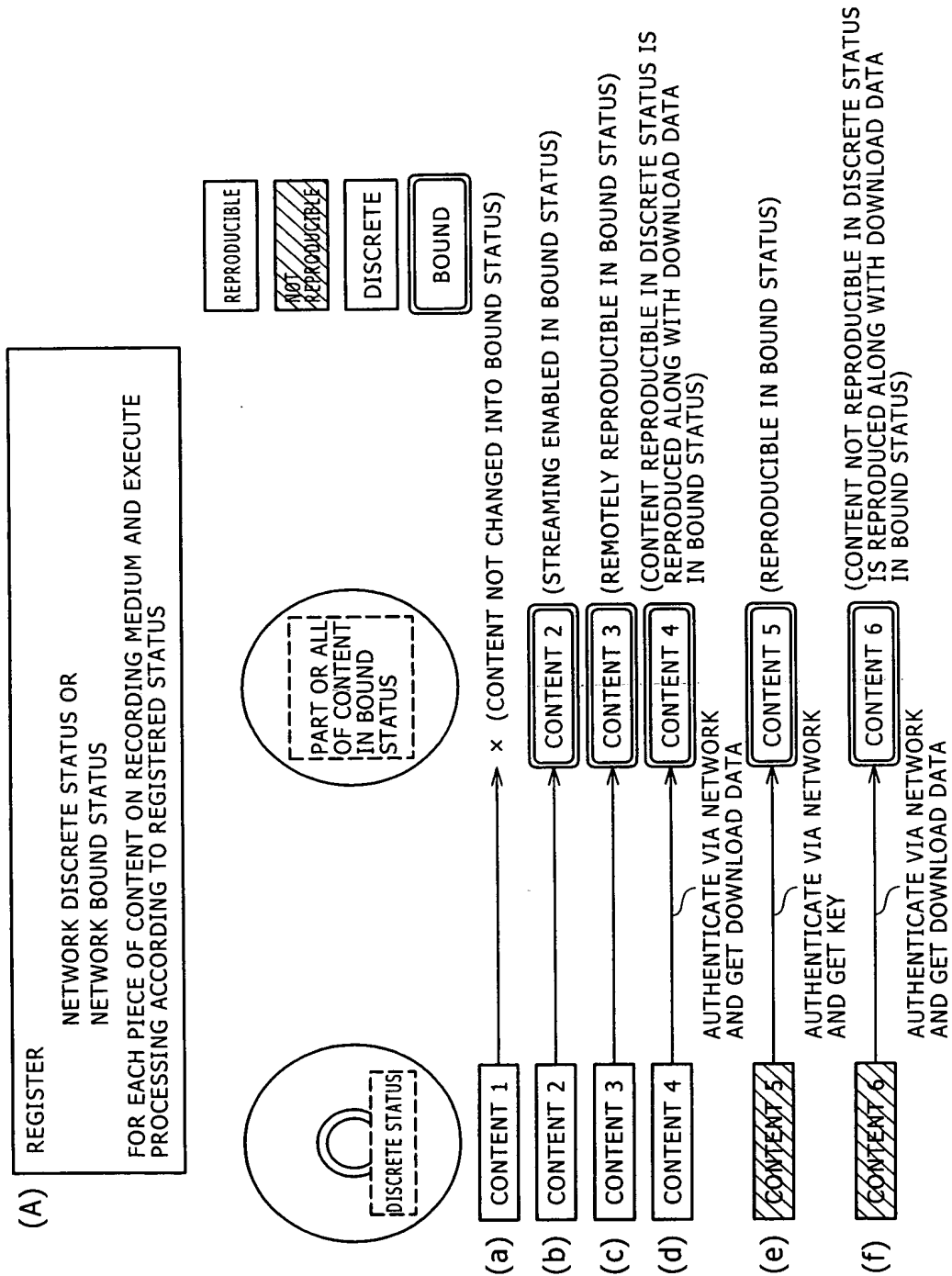


FIG. 18

INDEX OR APPLICATION FILE ON APPLICATION LAYER	CONTENT MANAGEMENT UNIT (CPS)	UNIT KEY (CPS)
TITLE 1	CPS1	Ku1
TITLE2	CPS1	Ku1
APPLICATION 1	CPS2	Ku2
APPLICATION 2	CPS3	Ku3
...	...	...
OTHERS n	CPSm	Kum

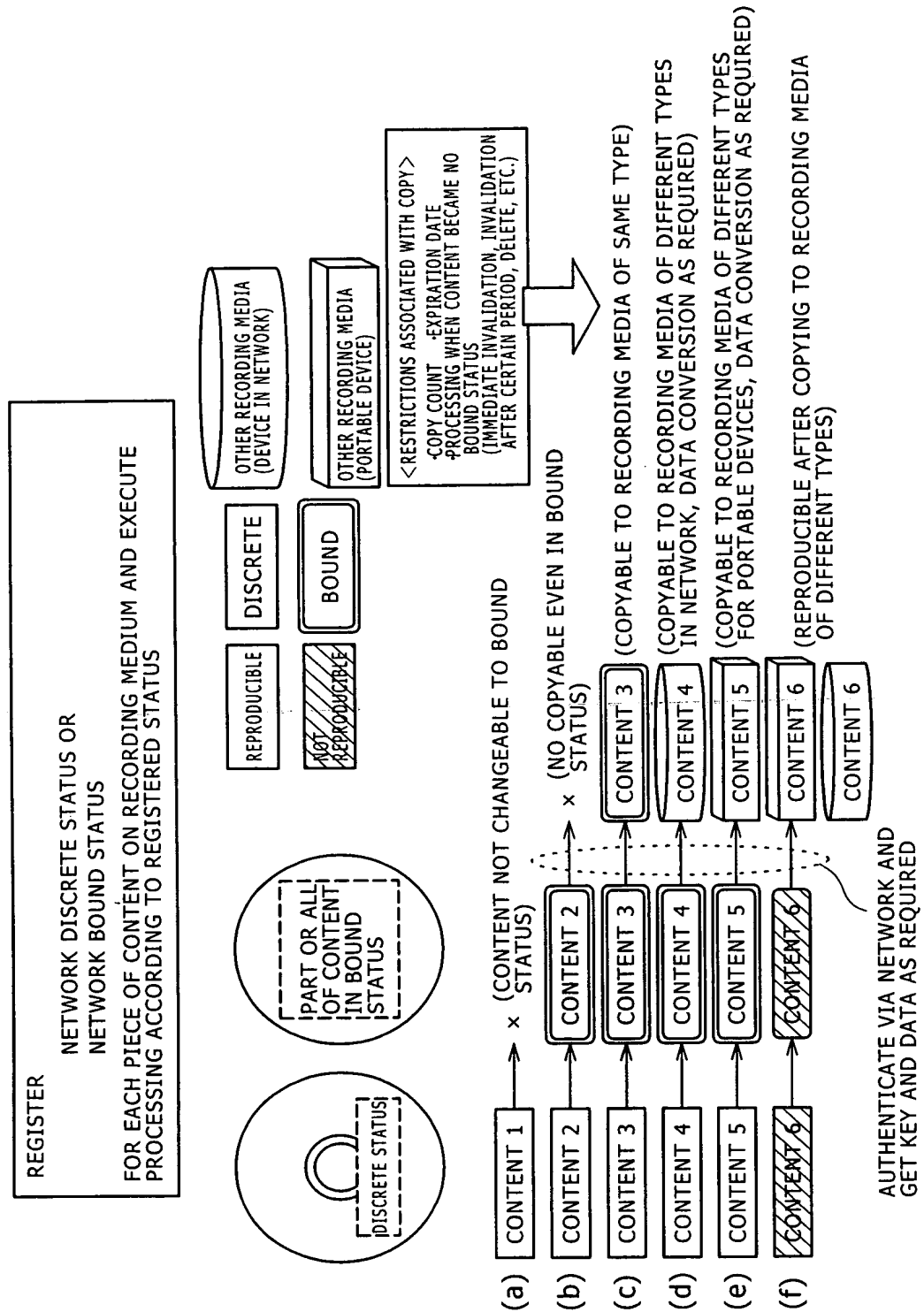
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FIG. 19



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FIG. 20



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FIG. 21

CONTENT MANAGEMENT UNIT (CPS)	INITIAL STATUS	CURRENT STATUS
CPS1	Discrete only	Discrete
CPS2	Discrete initially	Bound
CPS3	Bound only	Bound
CPS4	Bound initially	Discrete
⋮	⋮	⋮
CPSm	Discrete only	Discrete

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# FIG. 22

Field NAME	num of bits
Num_of_Content	16
for(i=0;i<Num_of_Content;i++){	
CCI_and_other_info_for_Content[i]	128
}	

CONTENTS OF CCI_and_other_info_for_Content[i] : PART OR ALL OF THE INFORMATION SHOWN BELOW IS HELD BY FLAG OR VALUE; ANY NUMBER OF BITS MAY BE USED BY VALUE	(FLAG/VALUE)	(CONTENTS)
<OPERATION IN DISCRETE STATUS>	FLAG	OK/NG
REPRODUCTION	VALUE	CONNECTION TO KEY DISTRIBUTION SERVER, LOADING OF MEMORY CARD STORING KEY, ETC.
METHOD OF REPRODUCING CONTENT THAT CANNOT BE REPRODUCED IN DISCRETE STATUS	VALUE	INDEX VALUE TO SERVER LIST
SERVER SPECIFICATION	VALUE	COMPATIBILITY INFORMATION FOR REPRODUCING CONTENT BY ANOTHER DEVICE IN NETWORK
<OPERATION IN BOUND STATUS>	VALUE	METHOD AVAILABLE WHEN CONVERTING CONTENT SO AS TO BE REPRODUCED BY ANOTHER DEVICE
COPY/STREAMING COMPATIBILITY INFORMATION	FLAG	OK/NG
METHOD OF DATA CONVERSION AT COPY/STREAMING	VALUE	NUMBER OF TIMES COPY IS MADE
COPYABILITY TO RECORDING MEDIA OF SAME TYPE IN NETWORK	VALUE	EXPIRATION DATE OF COPY
COPY COUNT TO RECORDING MEDIA OF SAME TYPE IN NETWORK	FLAG	OK/NG
EXPIRATION DATE OF COPY TO RECORDING MEDIA OF SAME TYPE IN NETWORK	VALUE	NUMBER OF TIMES COPY IS MADE
COPYABILITY TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	VALUE	EXPIRATION DATE OF COPY
COPY COUNT TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	FLAG	OK/NG
EXPIRATION DATE OF COPY TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	VALUE	INDEX VALUE FOR SPECIFYING DATA TO BE COPIED
AVAILABILITY OF DATA TO BE COPIED TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	FLAG	OK/NG
SPECIFICATION OF DATA TO BE COPIED TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	VALUE	NUMBER OF TIMES COPY IS MADE
COPYABILITY TO PORTABLE DEVICE	VALUE	EXPIRATION DATE OF COPY
COPY COUNT TO PORTABLE DEVICE	FLAG	OK/NG
EXPIRATION DATE OF COPY TO PORTABLE DEVICE	VALUE	INDEX VALUE FOR SPECIFYING DATA TO BE COPIED
AVAILABILITY OF DATA TO BE COPIED TO PORTABLE DEVICE	VALUE	OK/NG
SPECIFICATION OF DATA TO BE COPIED TO PORTABLE DEVICE	FLAG	OK/NG
PERMISSION OF STREAMING	VALUE	RESTRICTION OF SUBJECT DEVICES
SPECIFICATION OF SUBJECT THAT RECEIVES STREAMING	FLAG	OK/NG
PERMISSION OF REMOTE REPRODUCTION	VALUE	RESTRICTION OF SUBJECT DEVICES
SPECIFICATION OF SUBJECT THAT RECEIVES REMOTE REPRODUCTION	VALUE	IMMEDIATE INVALIDATION, INVALIDATION AFTER CERTAIN PERIOD, OR DELETION OF COPY
PROCESSING TO BE EXECUTED WHEN CONTENT BECAME NO BOUND STATUS	VALUE	DOWNLOAD DATA TYPE (SUBTTILES, AUDIO, STILL IMAGE, ETC.)
DOWNLOAD DATA TYPE	VALUE	CONNECTION TO DOWNLOAD SERVER, LOADING OF MEMORY CARD STORING DATA, ETC.
DOWNLOAD DATA ACQUISITION METHOD	VALUE	INDEX VALUE TO DOWNLOAD SERVER LIST
501 SPECIFICATION OF DOWNLOAD SERVER	FLAG	DEPEND ON OPERATION CONTROL INFORMATION ACQUIRED FROM SERVER
ACQUISITION OF OPERATION CONTROL INFORMATION FROM SERVER	VALUE	INDEX VALUE TO SERVER LIST INDICATIVE OF SERVER FOR ACQUIRING OPERATION CONTROL INFORMATION

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FIG. 23

(A)

PUTTING ALL INFORMATION INTO ONE LOOP

Field NAME	num of bits
Num. of Content	16
for(i=0; i<Num. of Content; i++){	
Num. of function[i]	16
for(j=0; j<Num. of function[i]; j++){	
CCI_and_other_info_length	16
CCI_and_other_info_type	8
CCI_and_other_info_value	8
Additional_info	N
}	
}	

(B)

DIVIDING LOOP BY STATUS

Field NAME	num of bits
Num. of Content	16
for(i=0; i<Num. of Content; i++){	
Num. of Discrete function[i]	16
for(j=0; j<Num. of function[i]; j++){	
CCI_and_other_info_for_length	16
CCI_and_other_info_type	8
CCI_and_other_info_value	8
Additional_info	N
}	
Num. of Bound function[i]	16
for(j=0; j<Num. of function[i]; j++){	
CCI_and_other_info_length	16
CCI_and_other_info_type	8
CCI_and_other_info_value	8
Additional_info	N
}	
}	

LIST OF CCI\_and\_other\_info\_for\_type AND CONTENTS OF CCI\_and\_other\_info\_value AND Additional\_info

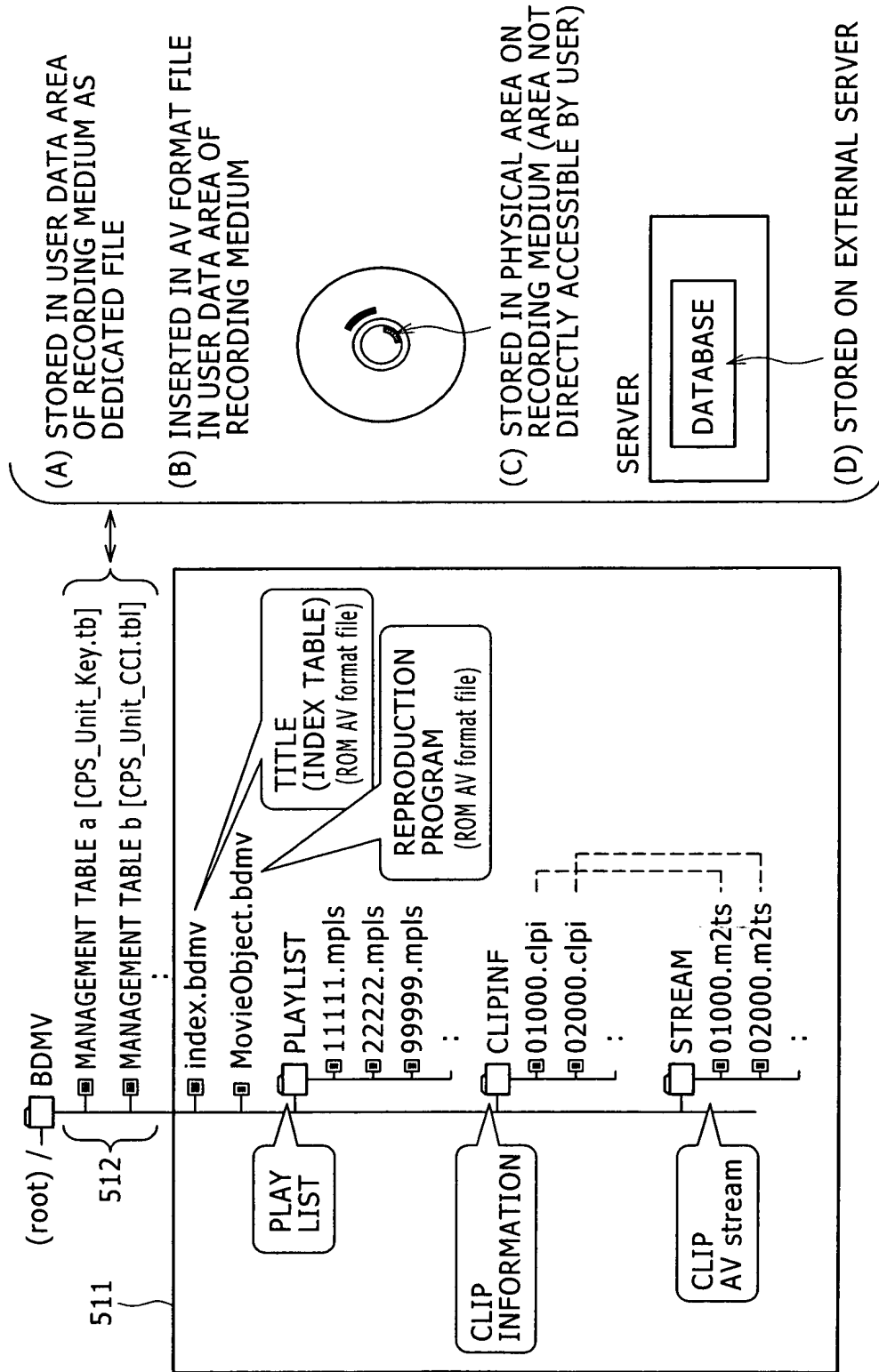
"CCI_and_other_info_type"	"CCI_and_other_info_value"	"Additional_info"
REPRODUCTION IN DISCRETE STATUS	OK/NG	METHOD OF REPRODUCING CONTENT THAT IS NOT REPRODUCIBLE IN DISCRETE STATUS SPECIFICATION OF SERVER
COPY TO RECORDING MEDIA OF SAME TYPE IN NETWORK	OK/NG	COPY COUNT, EXPIRATION DATE
COPY TO RECORDING MEDIA OF DIFFERENT TYPE IN NETWORK	OK/NG	OF DATA FOR COPY, SPECIFICATION OF METHOD OF DATA CONVERSION FOR COPY
COPY TO PORTABLE DEVICE	OK/NG	COPY COUNT, EXPIRATION DATE, AVAILABILITY OF DATA FOR COPY, SPECIFICATION OF DATA FOR COPY, SPECIFICATION OF METHOD OF DATA CONVERSION FOR COPY
STREAMING IN NETWORK	OK/NG	SPECIFICATION OF DEVICE SUBJECT TO STREAMING
REMOTE REPRODUCTION IN NETWORK	OK/NG	AVAILABILITY OF DATA FOR STREAMING, SPECIFICATION OF DATA FOR STREAMING, SPECIFICATION OF METHOD OF DATA CONVERSION FOR STREAMING
PROCESSING TO BE EXECUTED WHEN BOUND STATUS IS CLEARED	VALUE	SPECIFICATION OF DEVICE SUBJECT TO REMOTE REPRODUCTION IMMEDIATE INVALIDATION, INVALIDATION AFTER CERTAIN PERIOD, OR DELETION OF COPY
REPRODUCTION OF DOWNLOAD DATA	VALUE (DATA TYPE)	SPECIFICATION OF METHOD OF ACQUIRING DOWNLOAD DATA, DOWNLOAD SERVER
INFORMATION FOR ACQUIRING OPERATION CONTROL INFORMATION FROM SERVER	VALUE	SPECIFICATION OF SERVER
USER-DEFINED INFORMATION	UNIQUELY DEFINED BY CONTENT OWNER	UNIQUELY DEFINED BY CONTENT OWNER

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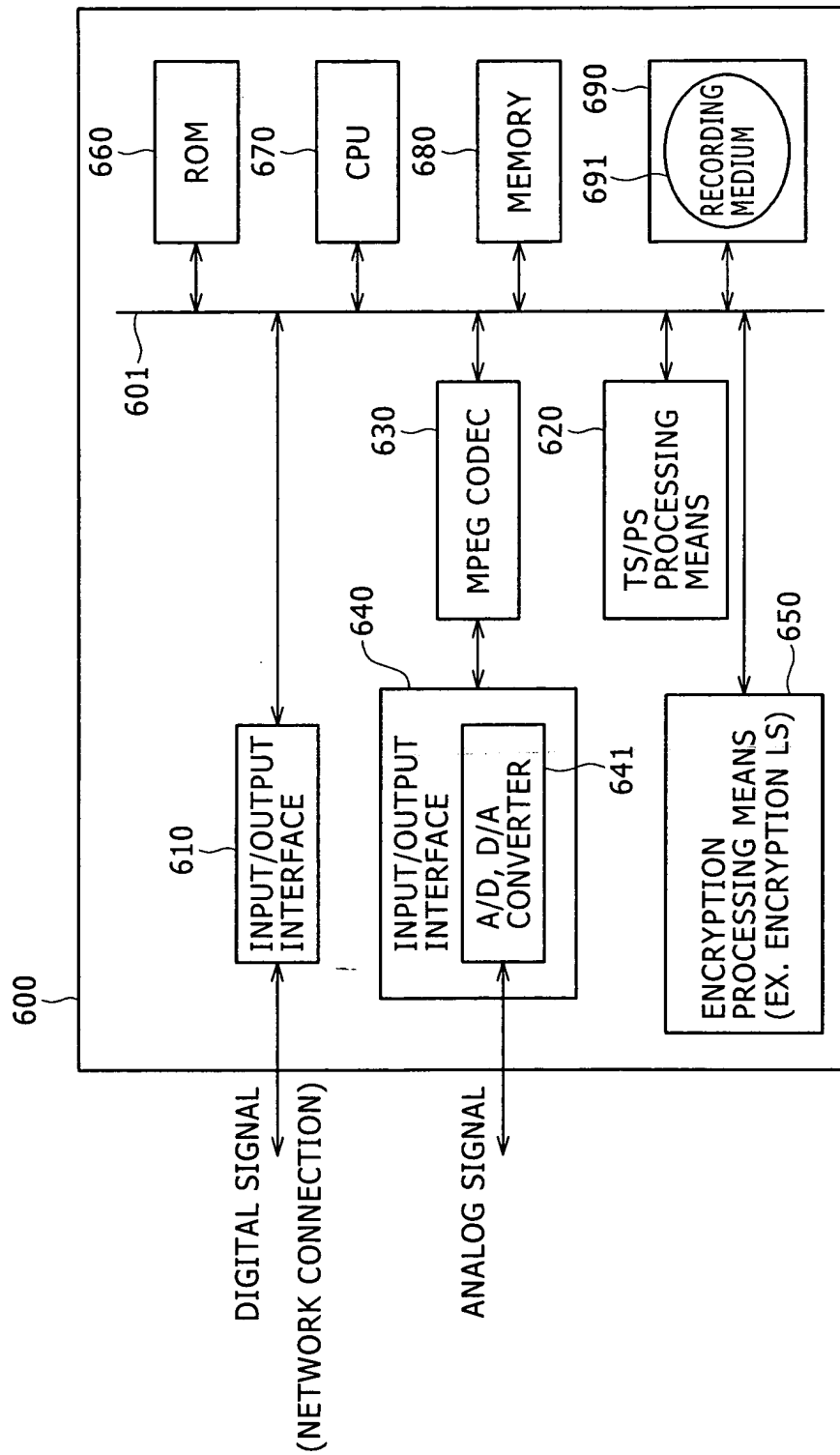
FIG. 24





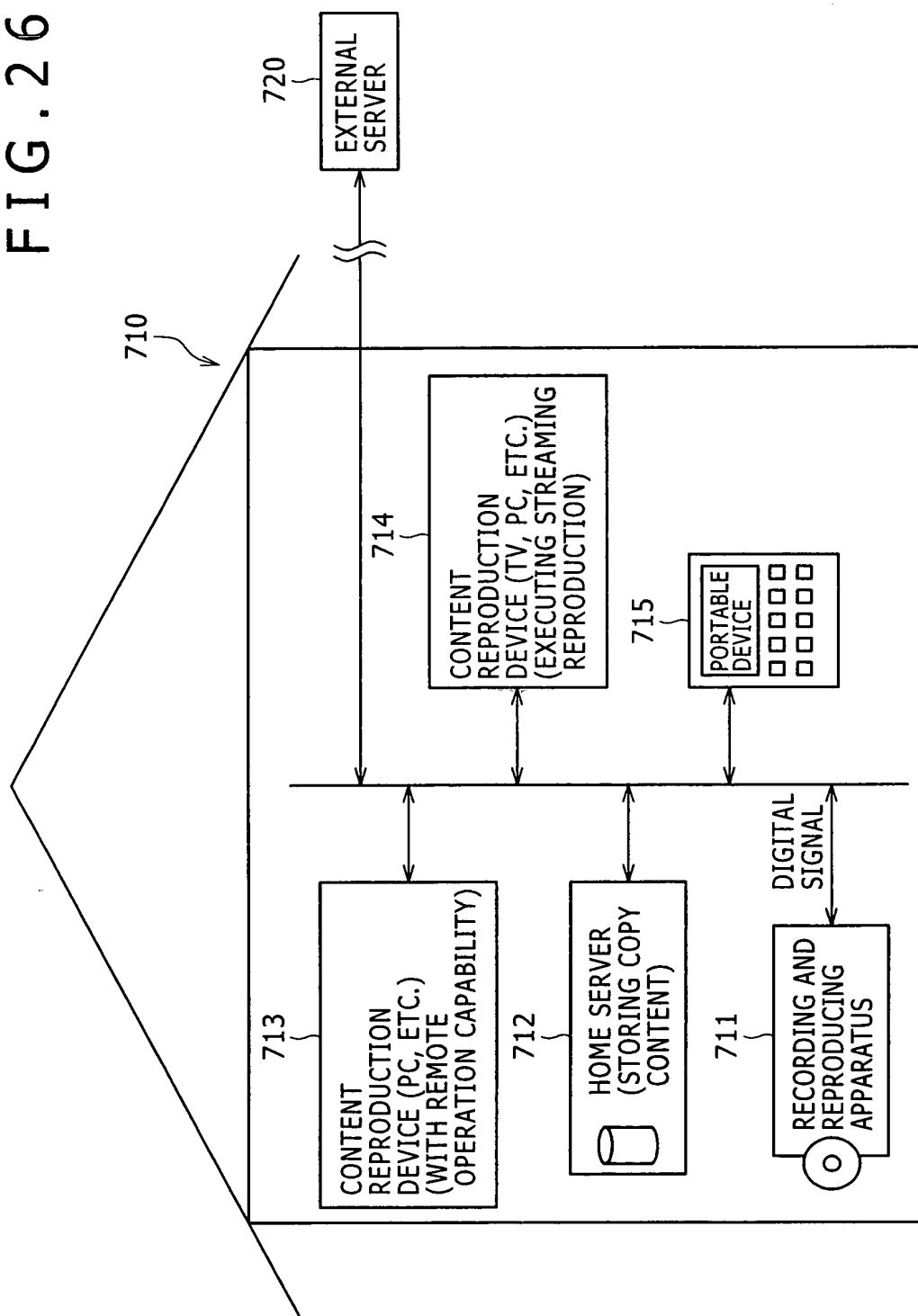
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FIG. 25

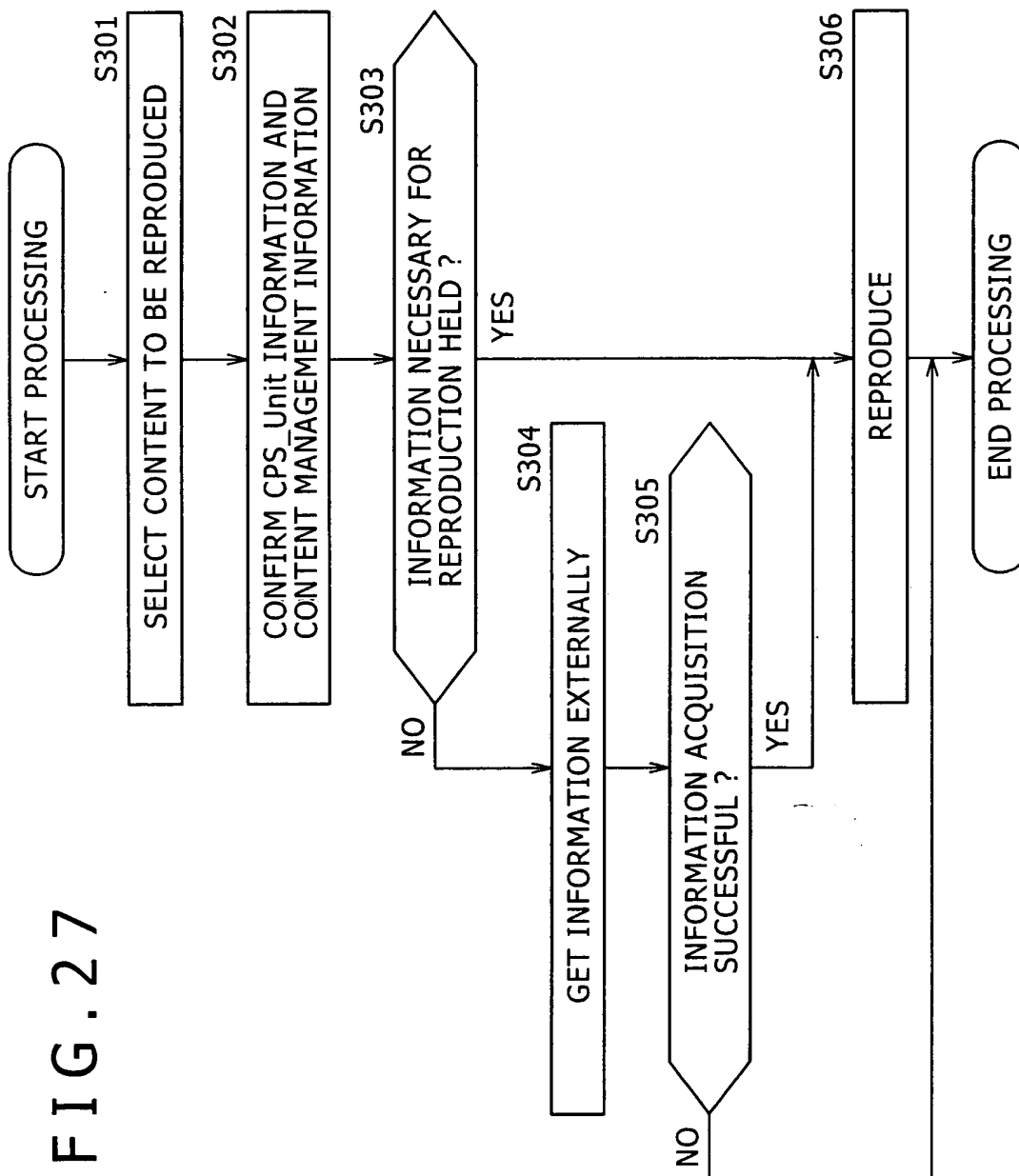


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FIG. 26

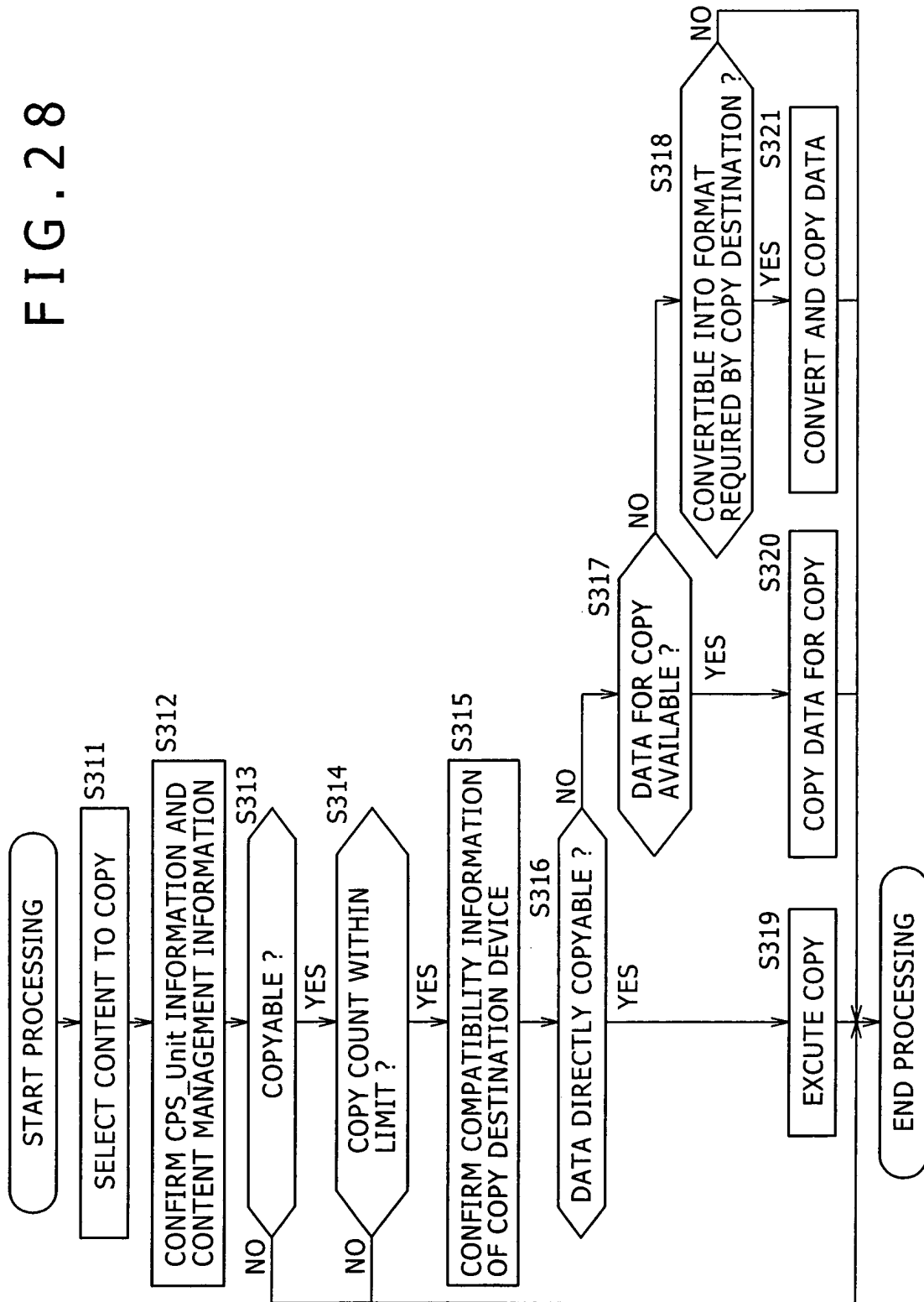


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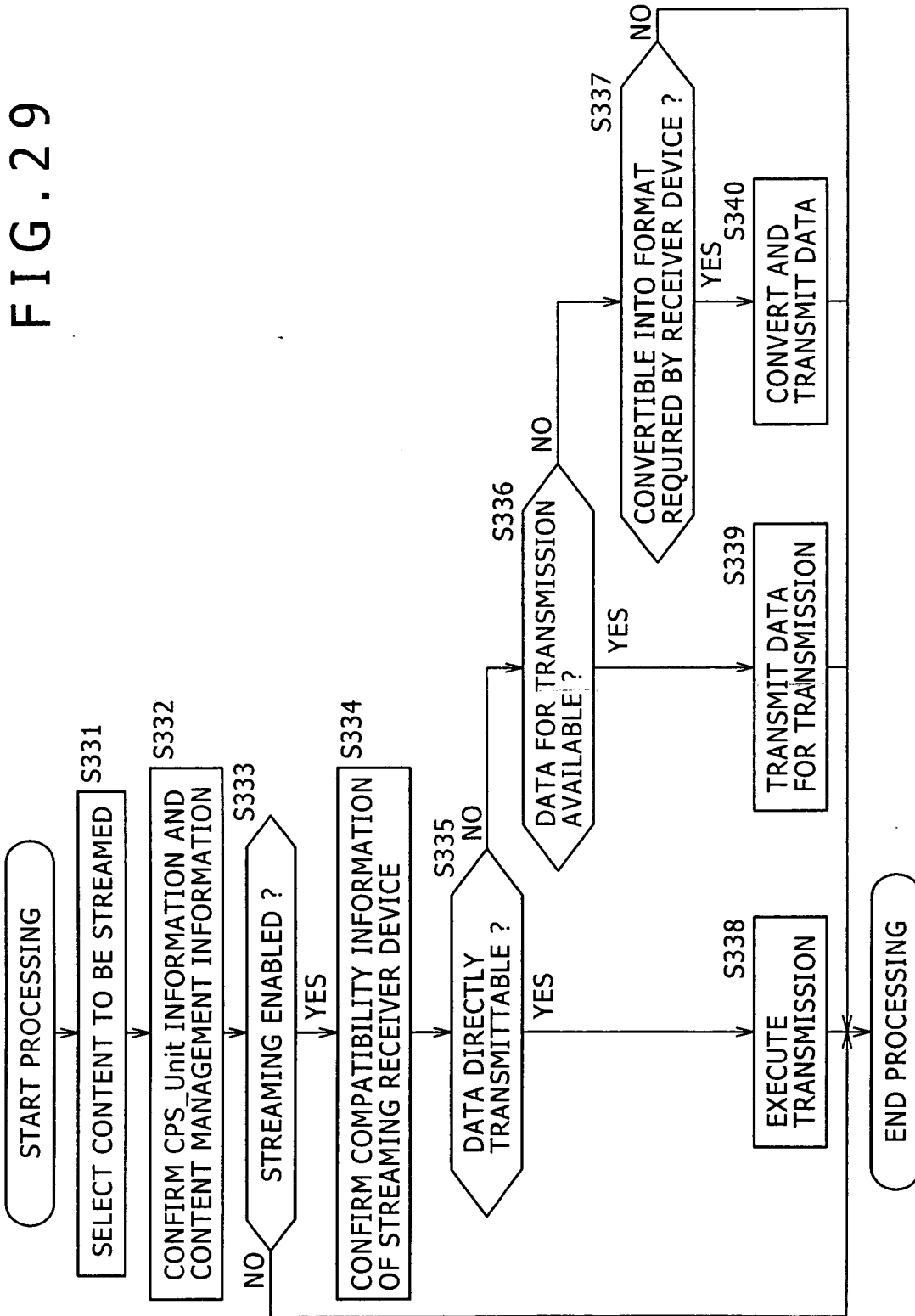


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FIG. 28

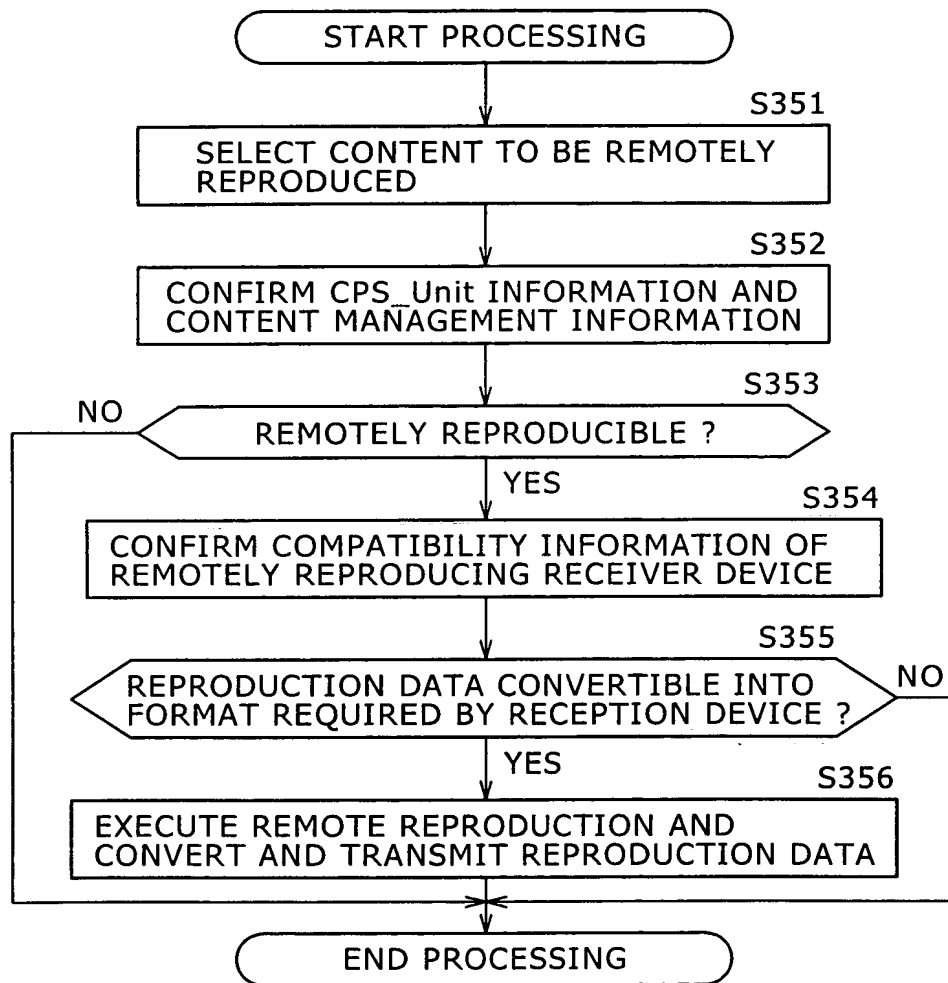


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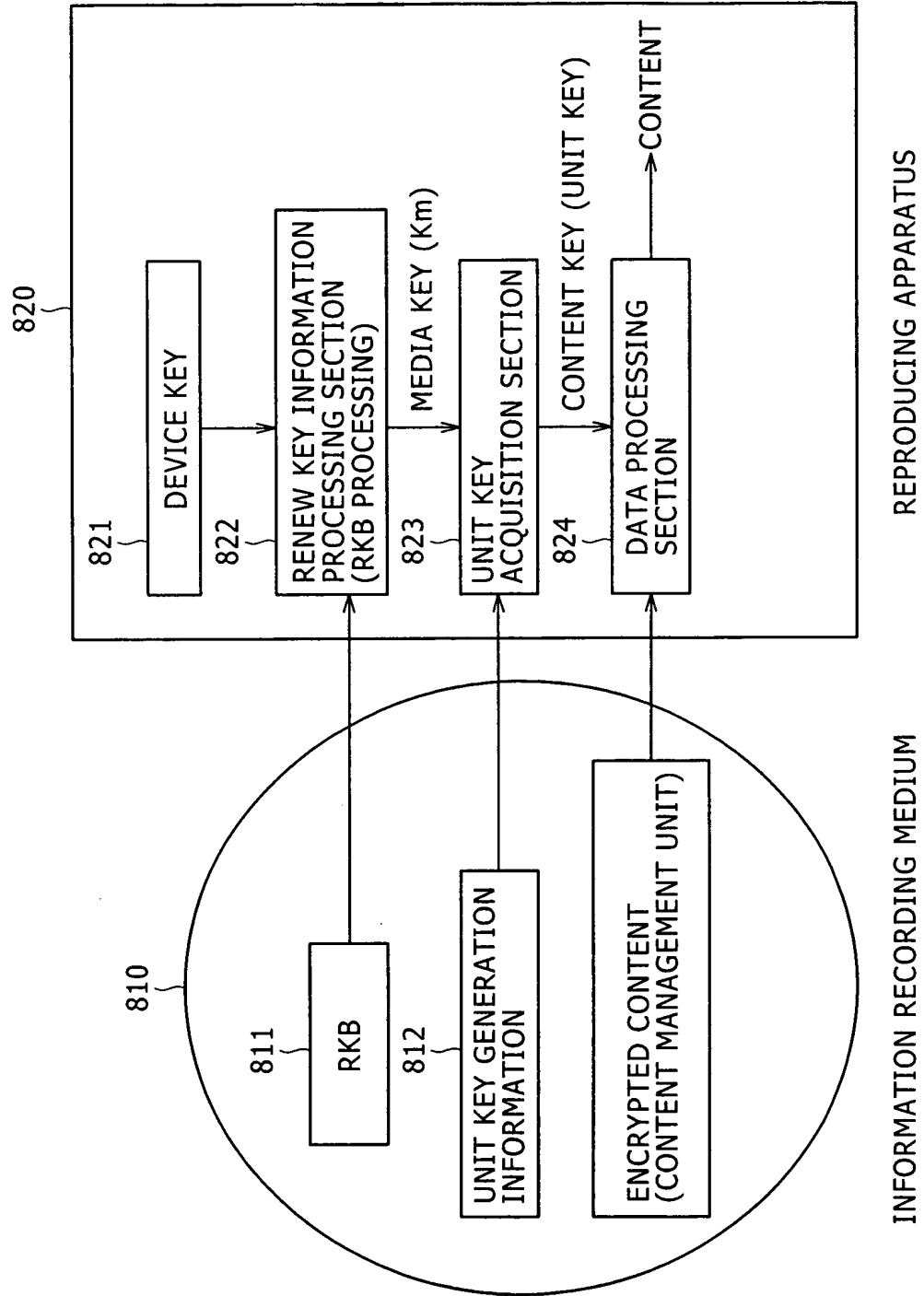
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## FIG. 30



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FIG. 31



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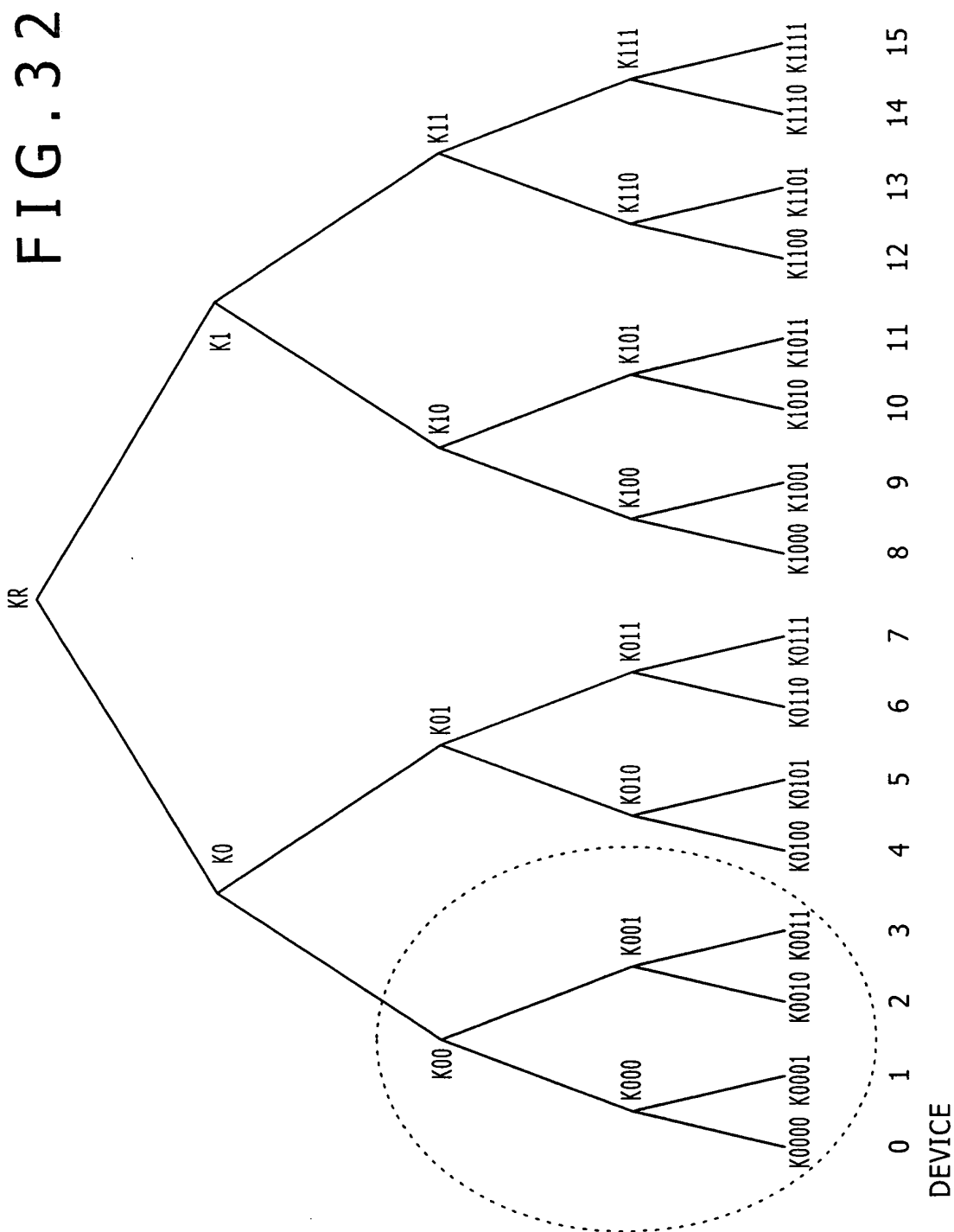
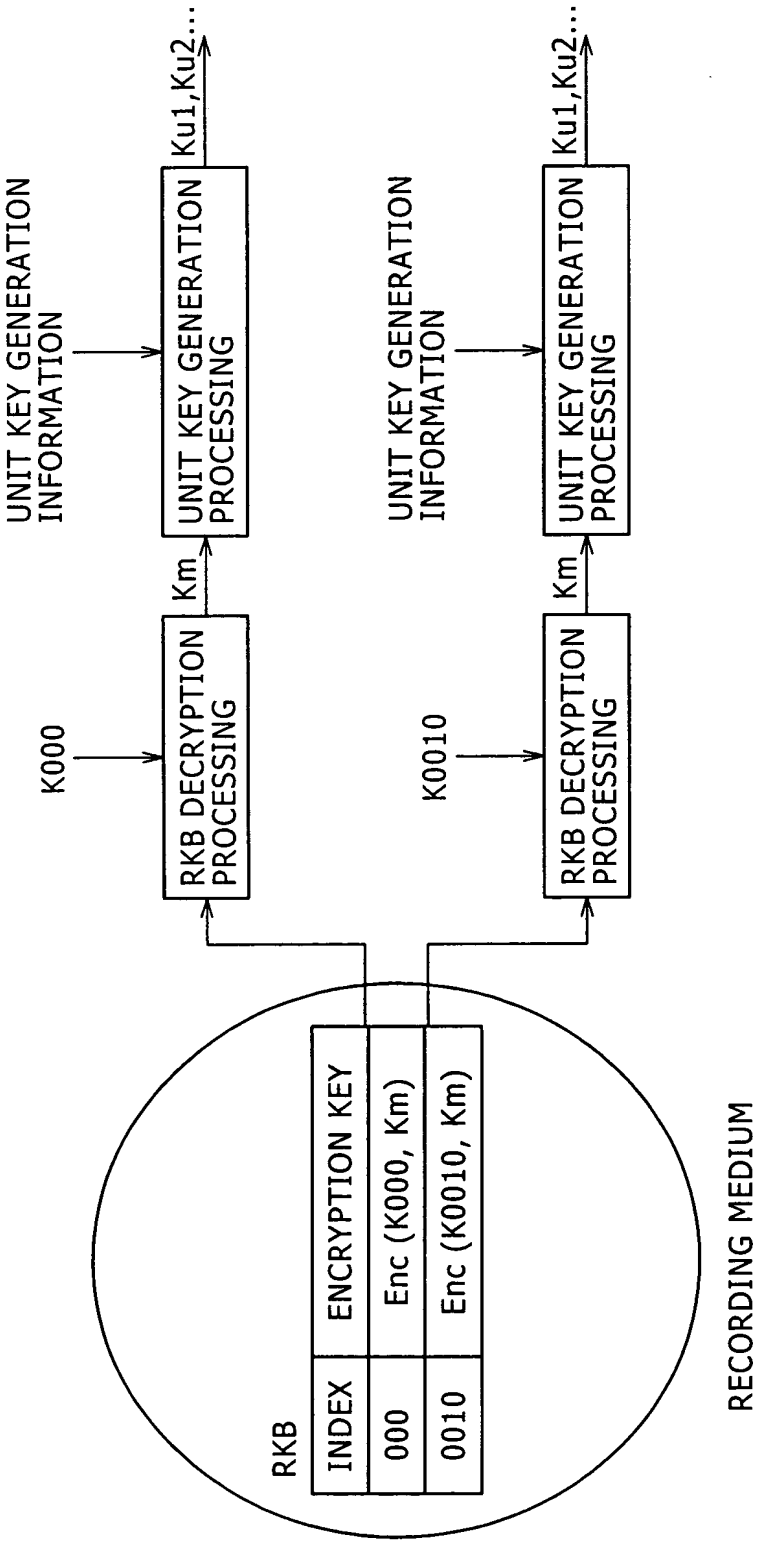
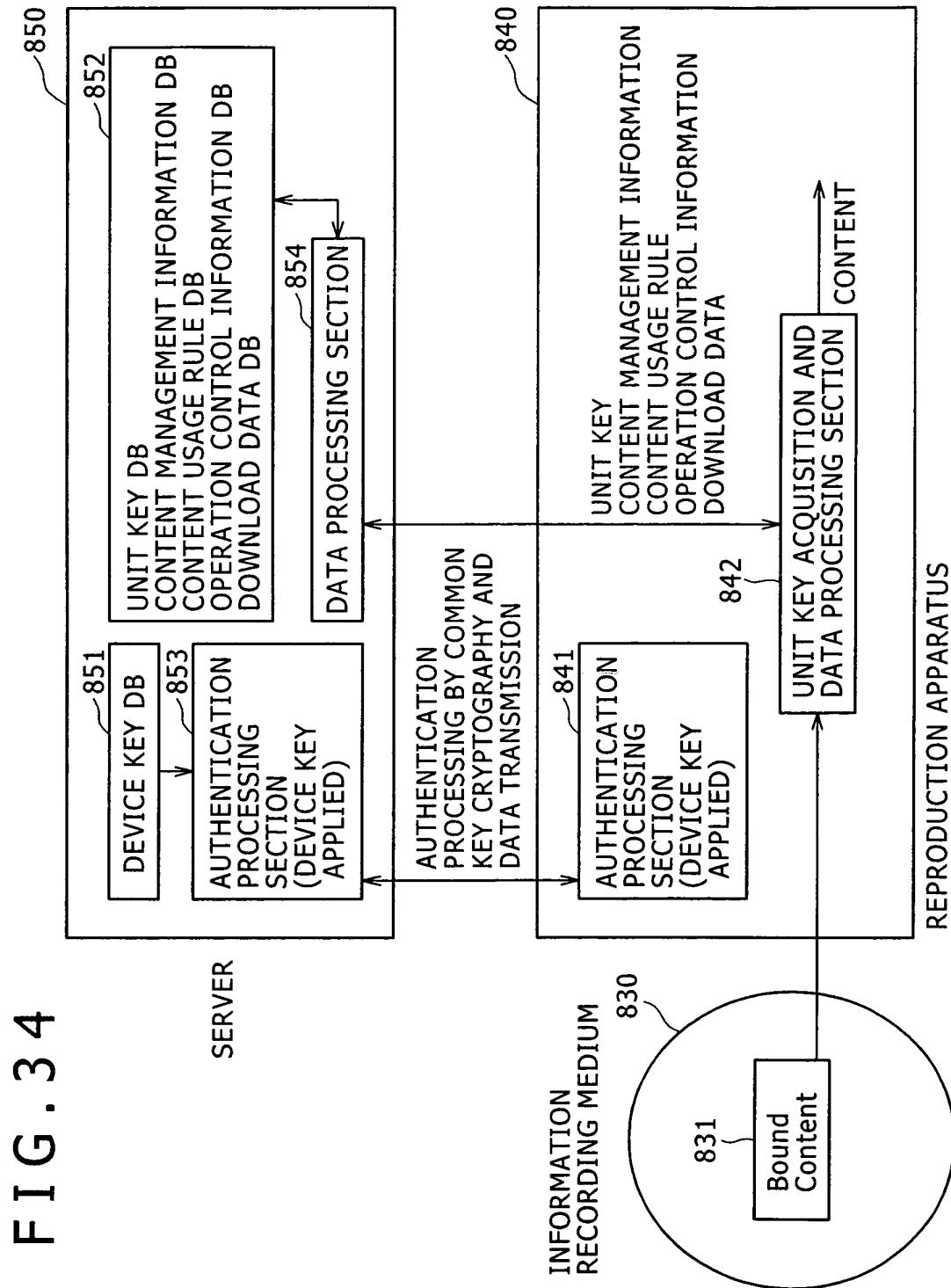




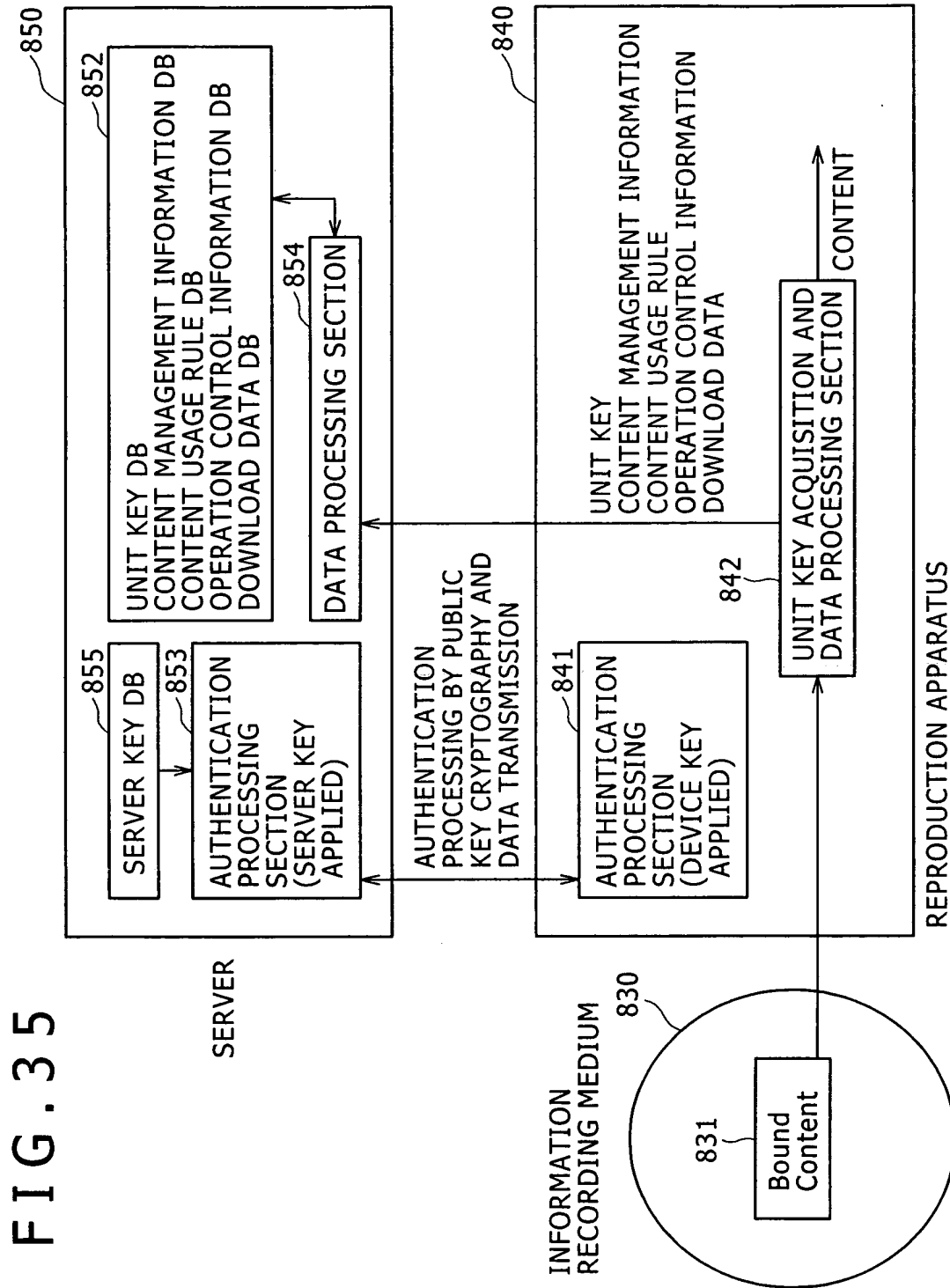
FIG. 33



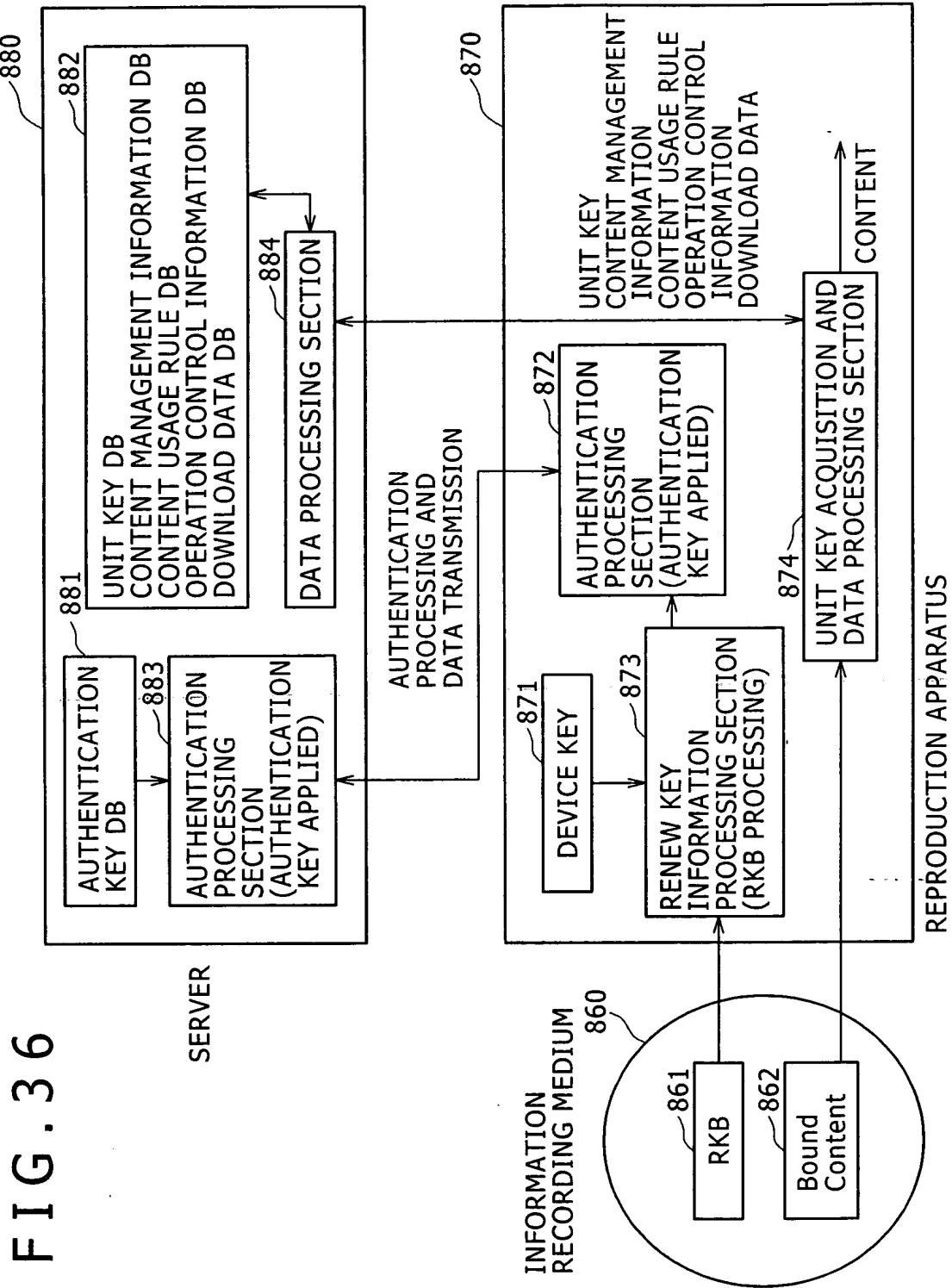
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